

Fig. 1

**Fig. 2**

The diagram illustrates the structure of an Authorization Rule (201). It is composed of three main components: Authorization Dataset (202), Privacy Preference Rule (203), and Access List (204), all connected by an 'and' relationship.

The Authorization Dataset (202) is further divided into View Level (205) and Level Rank (208), connected by an 'or' relationship.

The View Level (205) is composed of View name (206) and Viewlevel items (207), connected by an 'and' relationship. View name (206) can be a class (209) or a property (210). Viewlevel items (207) can be a class (209), a property (210), or an instance (211), connected by an 'and/or' relationship.

The Level Rank (208) can be a class (209), a property (210), or an instance (211), connected by an 'and/or' relationship.

The Privacy Preference Rule (203) can be a class (209), a property (210), or an instance (211), connected by an 'and/or' relationship.

The Access List (204) is composed of authorizedParty (212) and Authorization action (217), connected by an 'and' relationship.

The authorizedParty (212) can be a user (213), a group (214), a token (215), or all (216), connected by an 'or' relationship.

The Authorization action (217) can be grant (218), notify (219), or get consent (220), connected by an 'or' relationship.

and \_\_\_\_\_

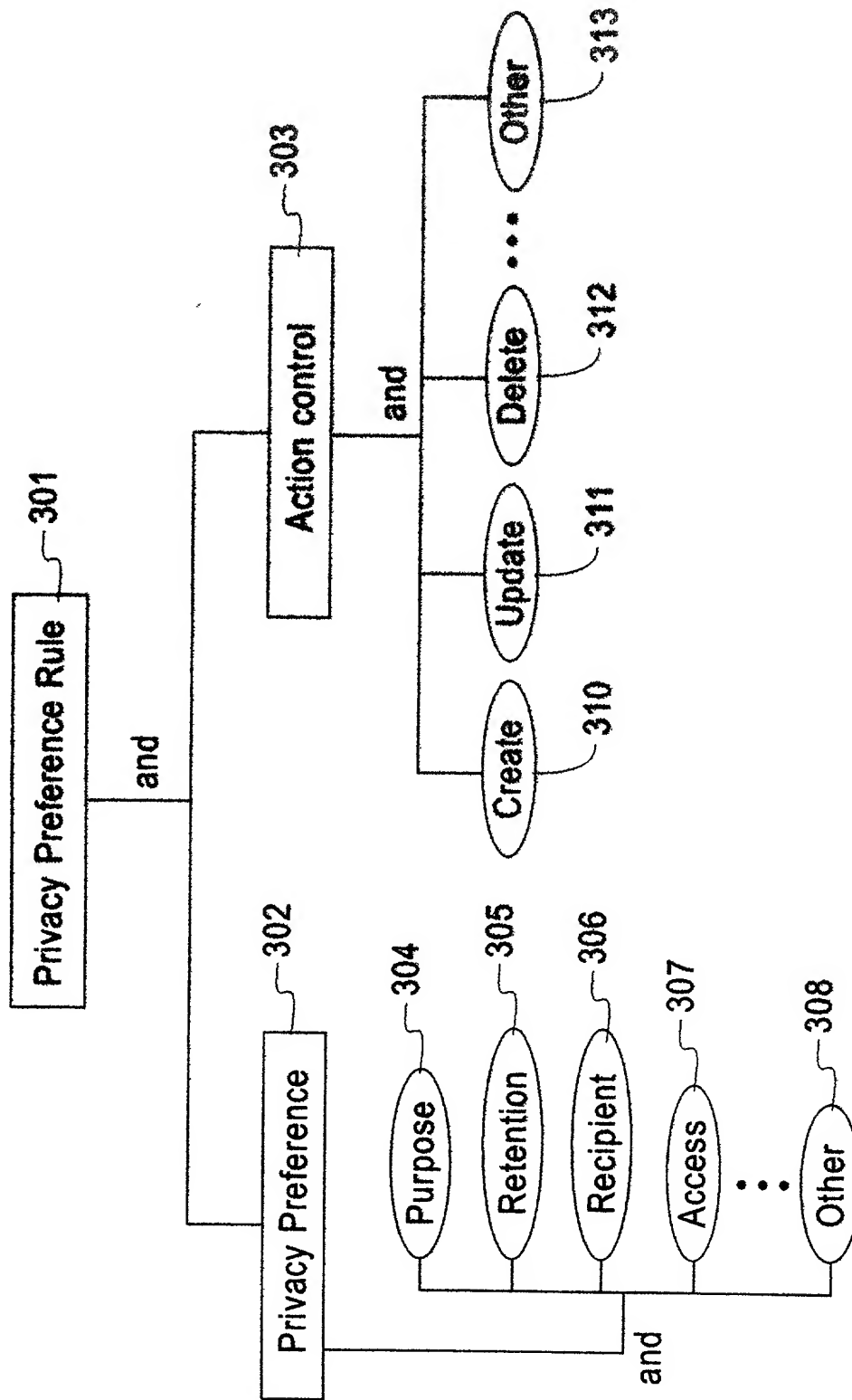
or \_\_\_\_\_

and/or \_\_\_\_\_

: This link specifies that the parent node contains all the sub elements

: This link specifies that the parent node contains only one of the sub elements

: This link specifies that the parent node contains at least one sub element, and maybe more than one



and \_\_\_\_\_ : This link represents that the parent node contains all the sub elements

**Fig. 3**

Fig. 3-A

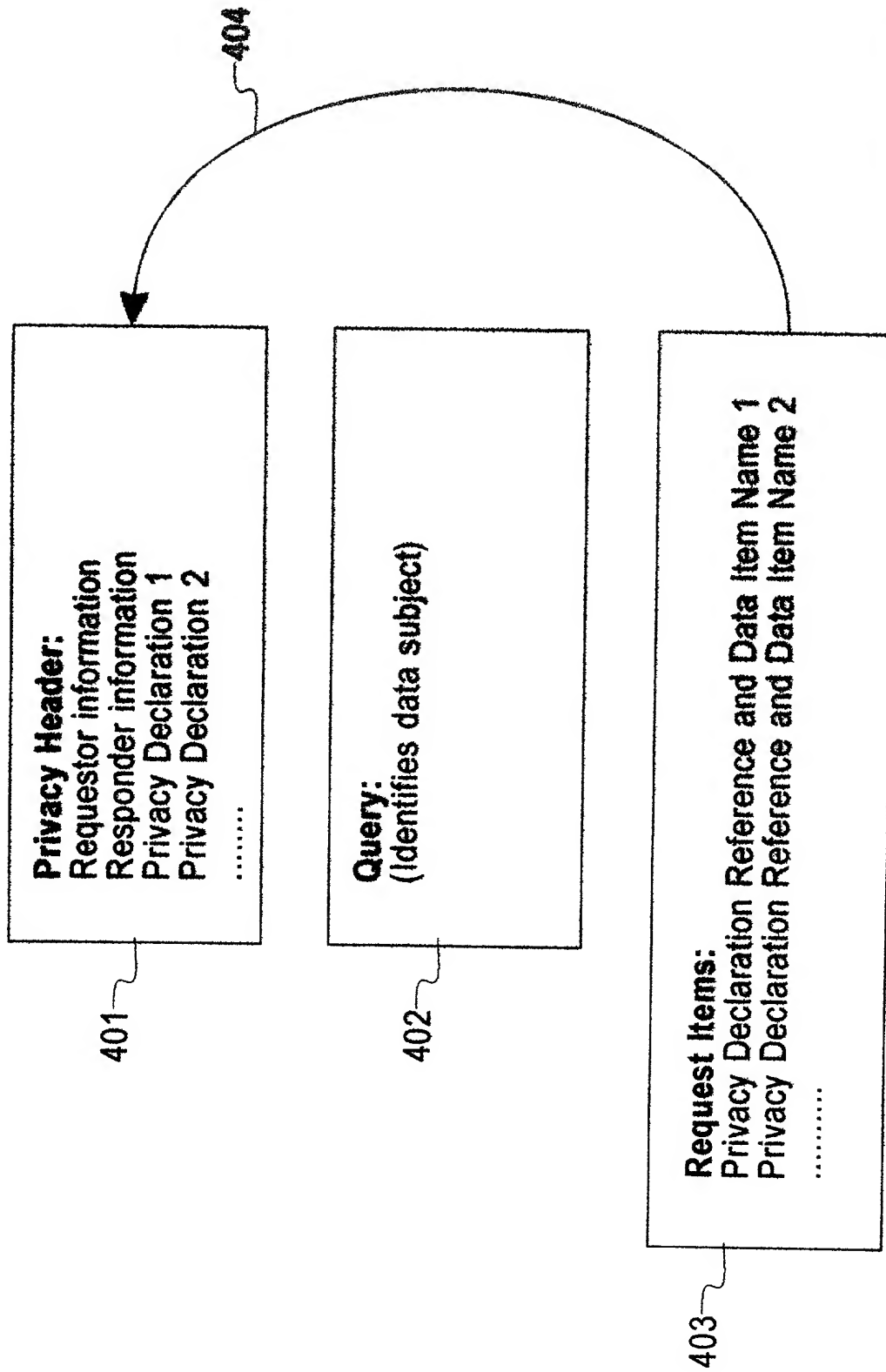


Fig. 4A

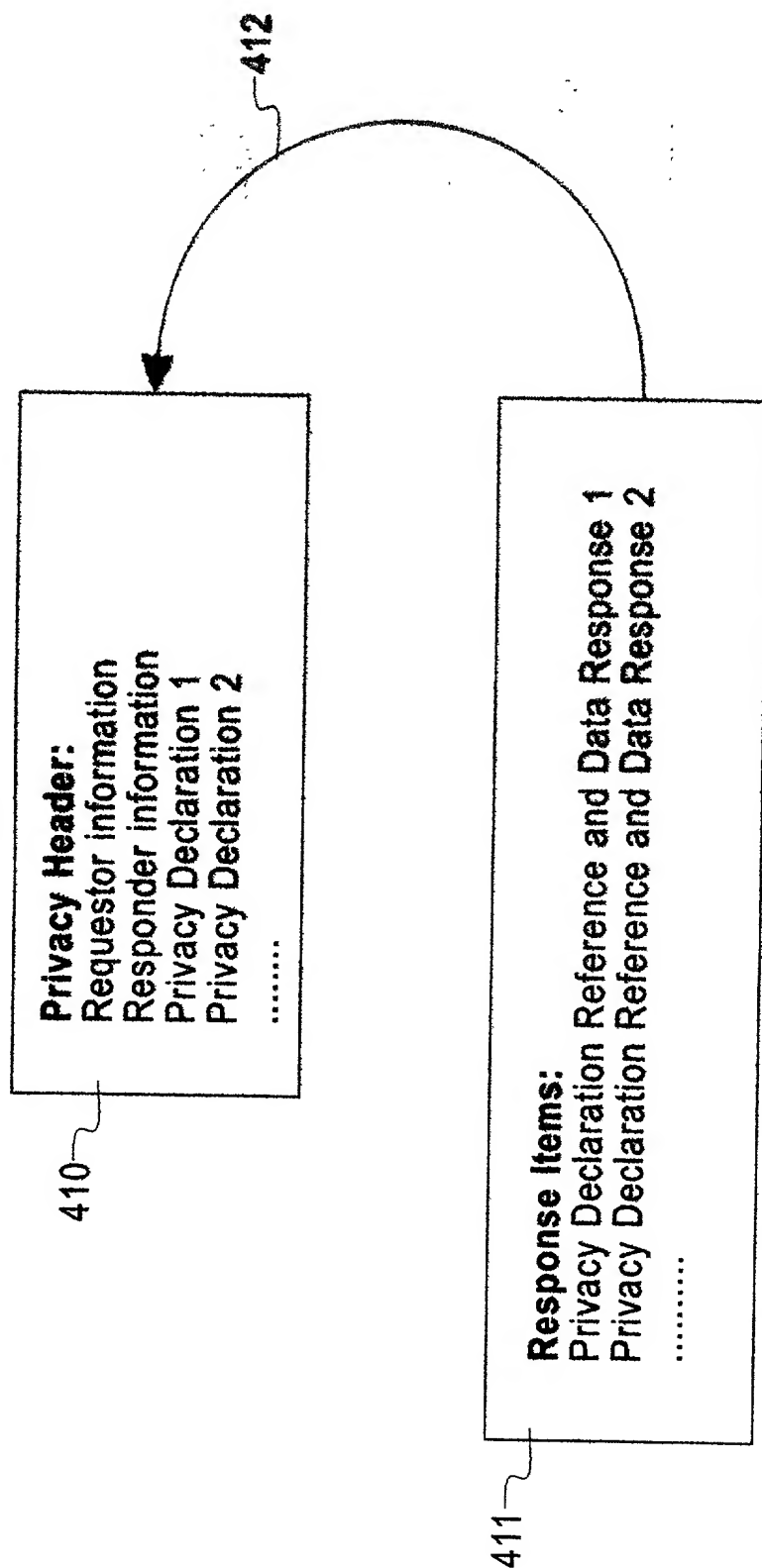
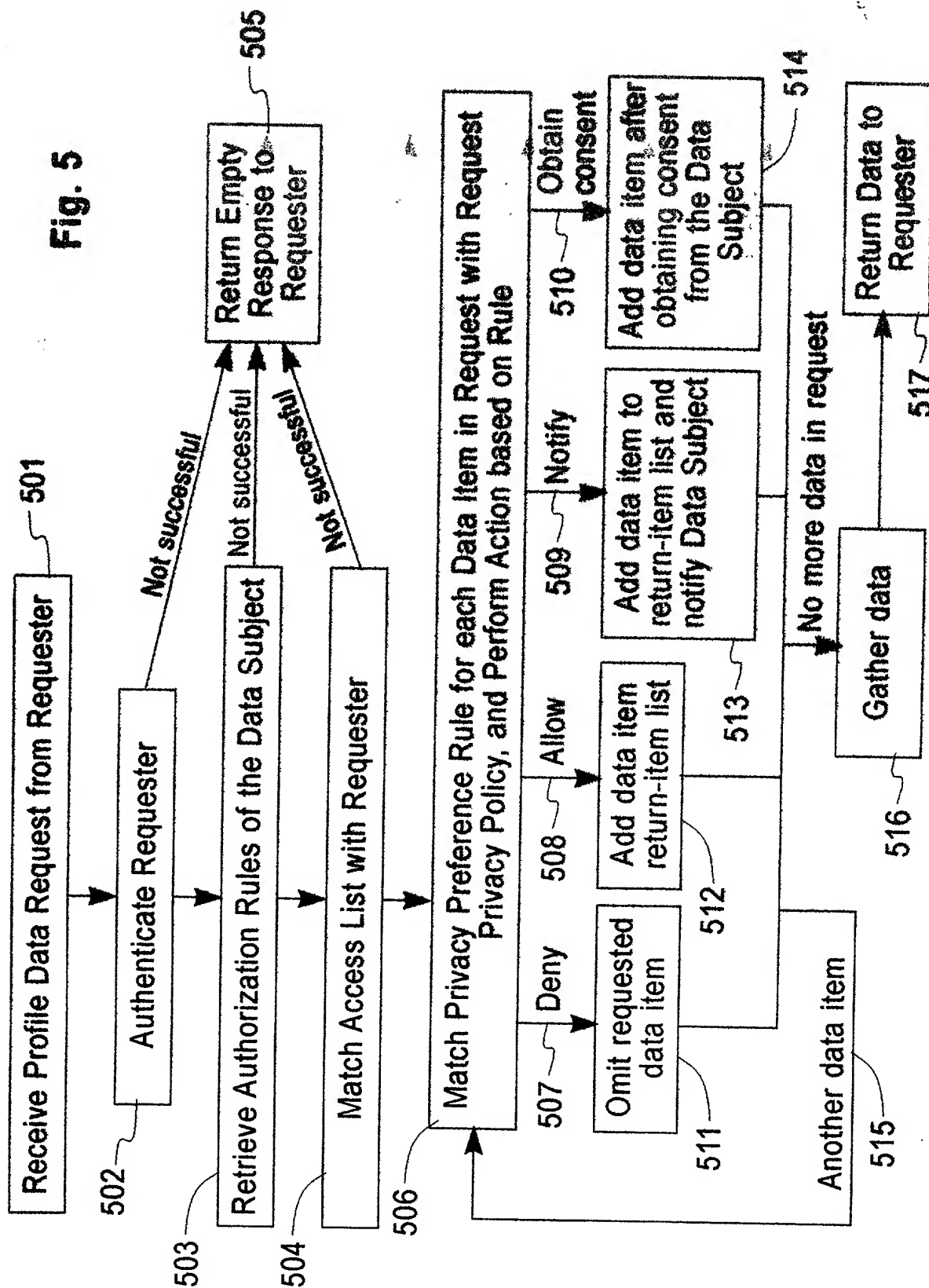


Fig. 4B

Fig. 5



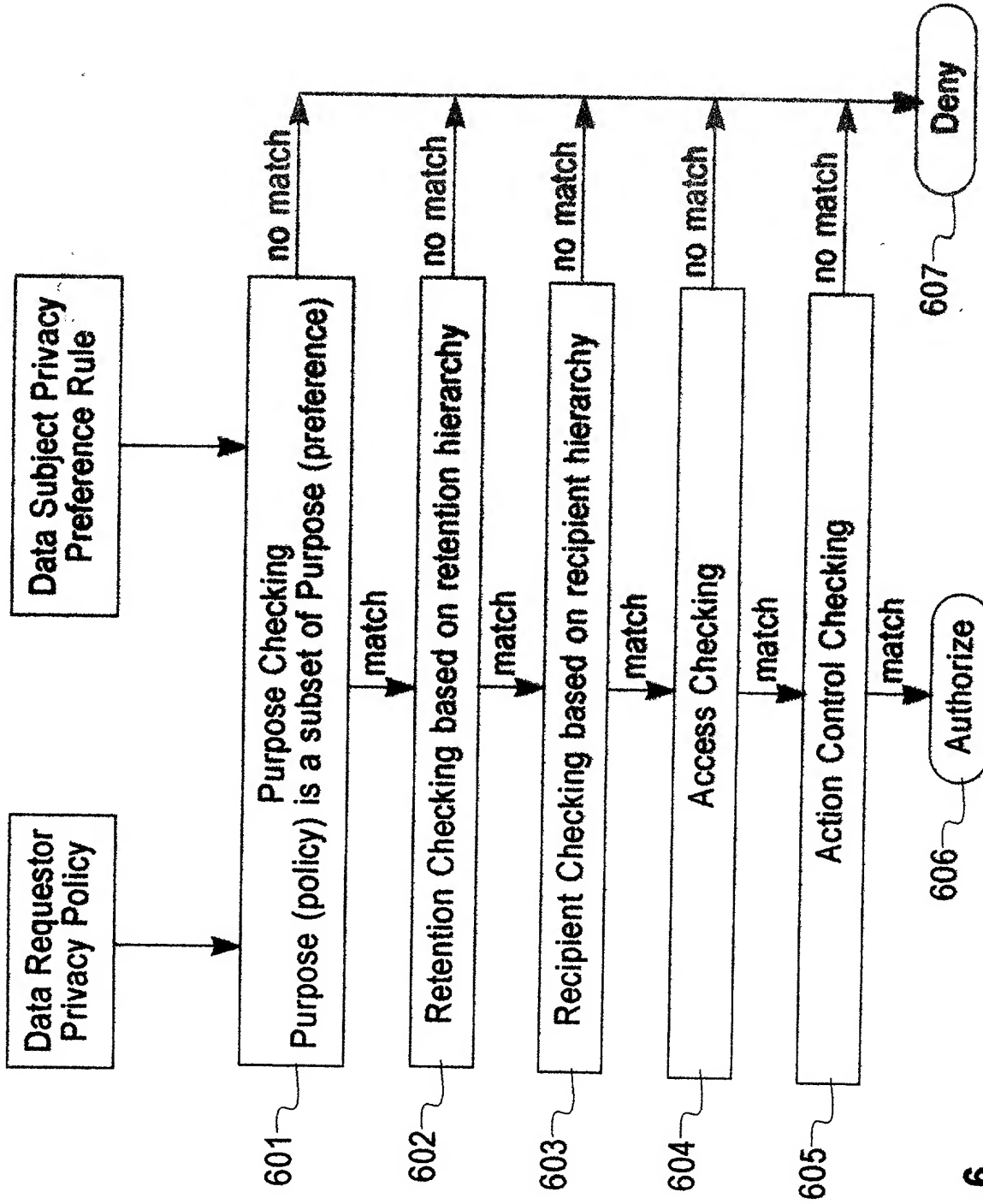


Fig. 6

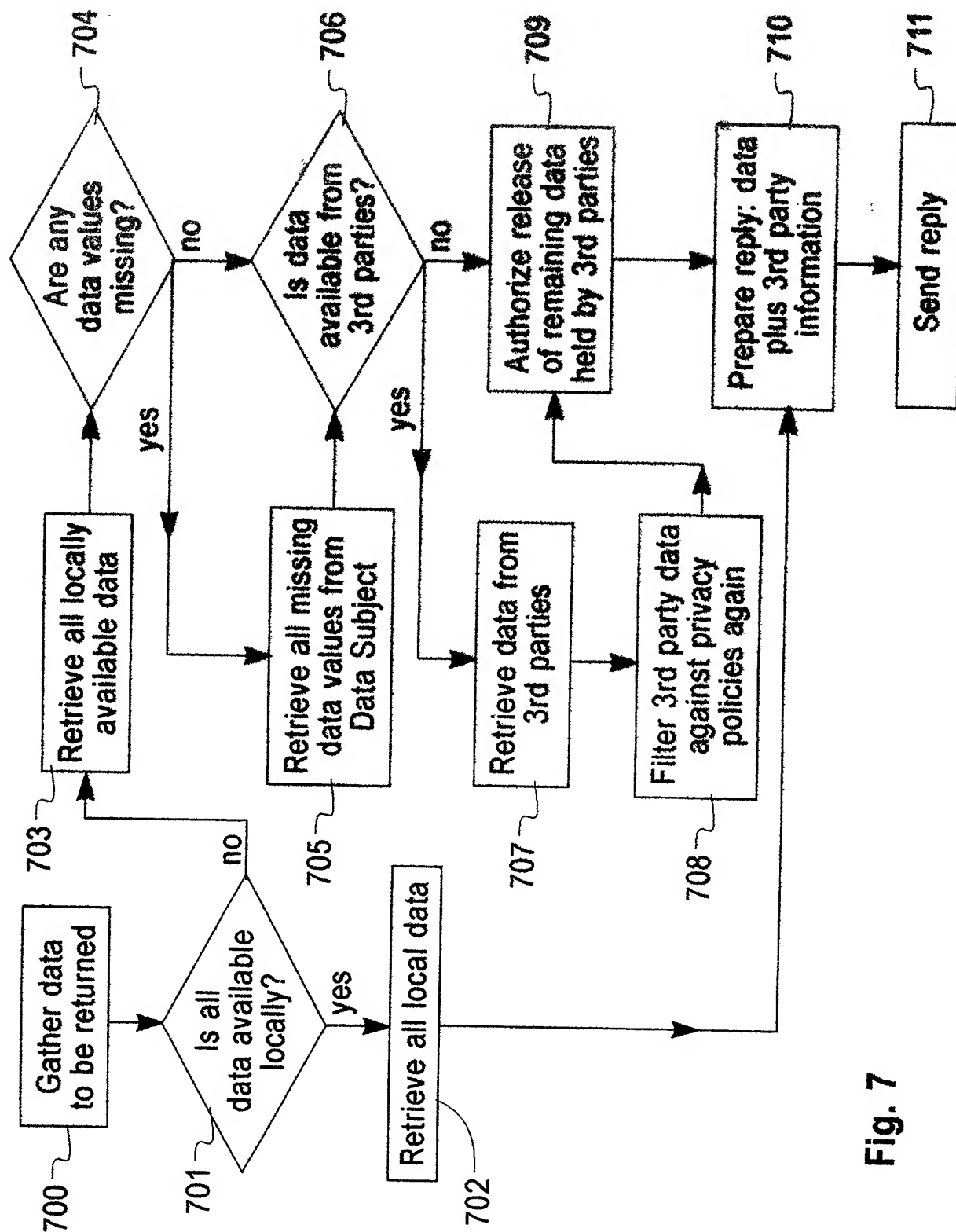


Fig. 7



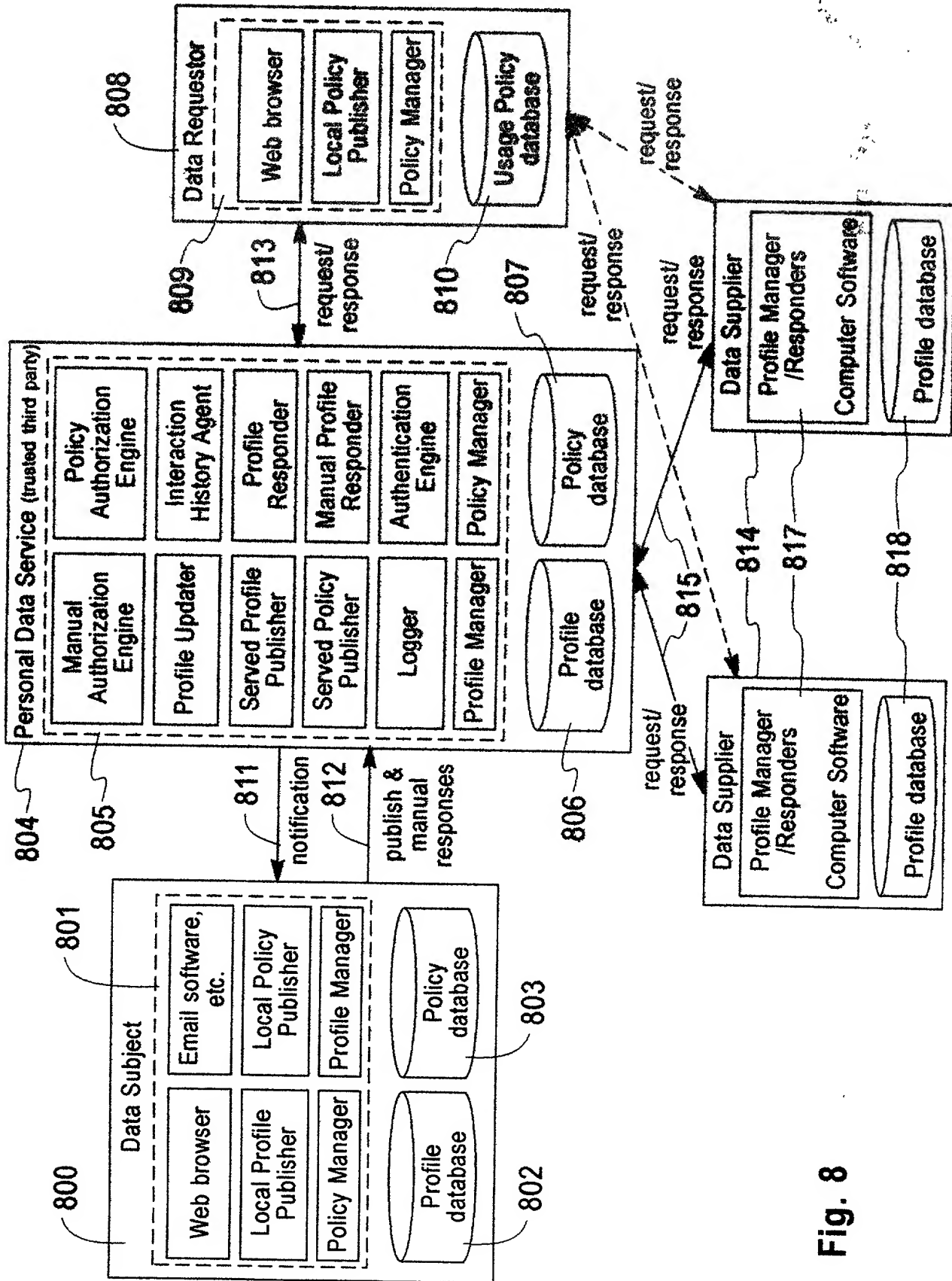


Fig. 8

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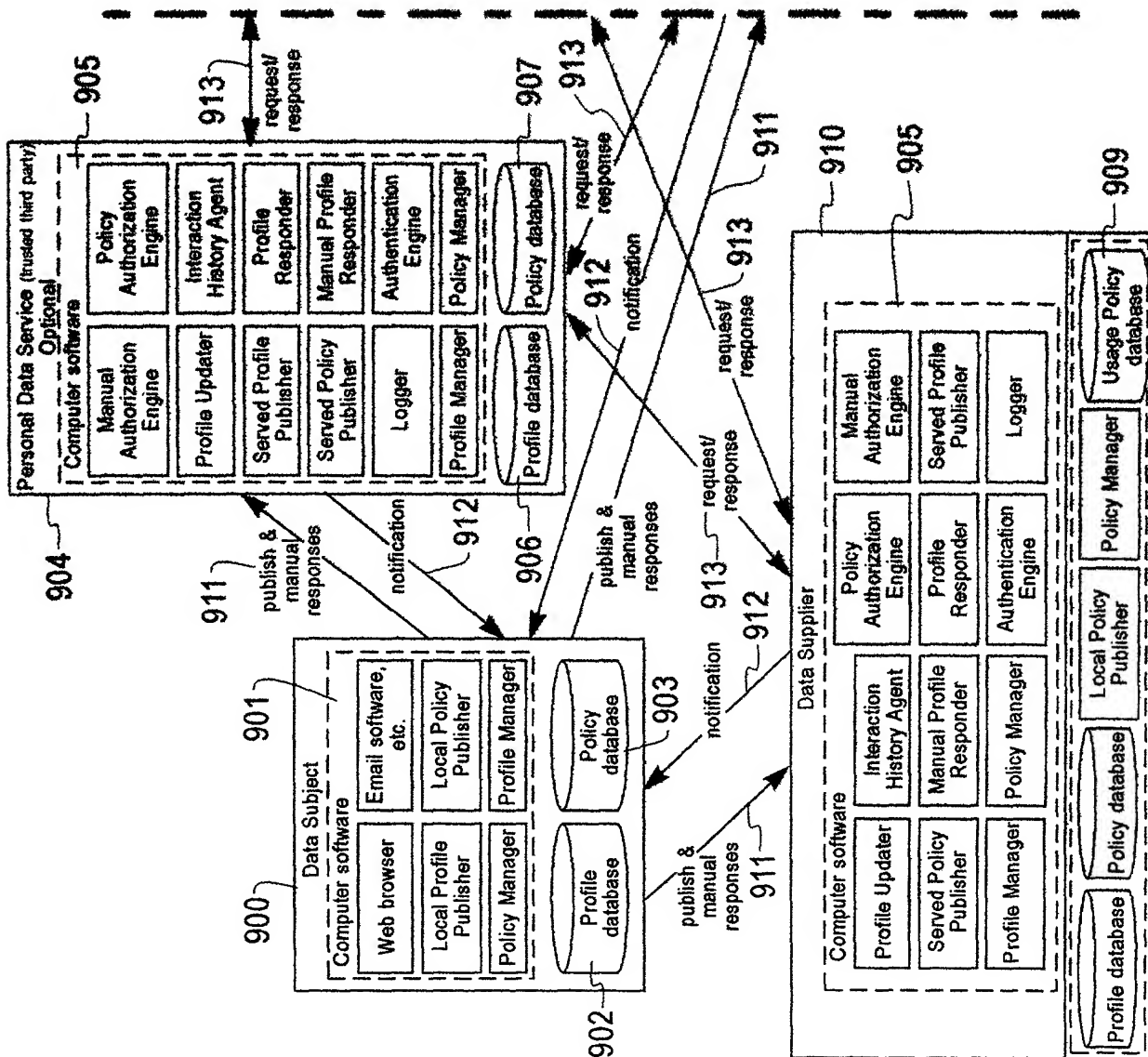


Fig. 9A

Fig. 9B

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Fig. 9A Fig. 9B

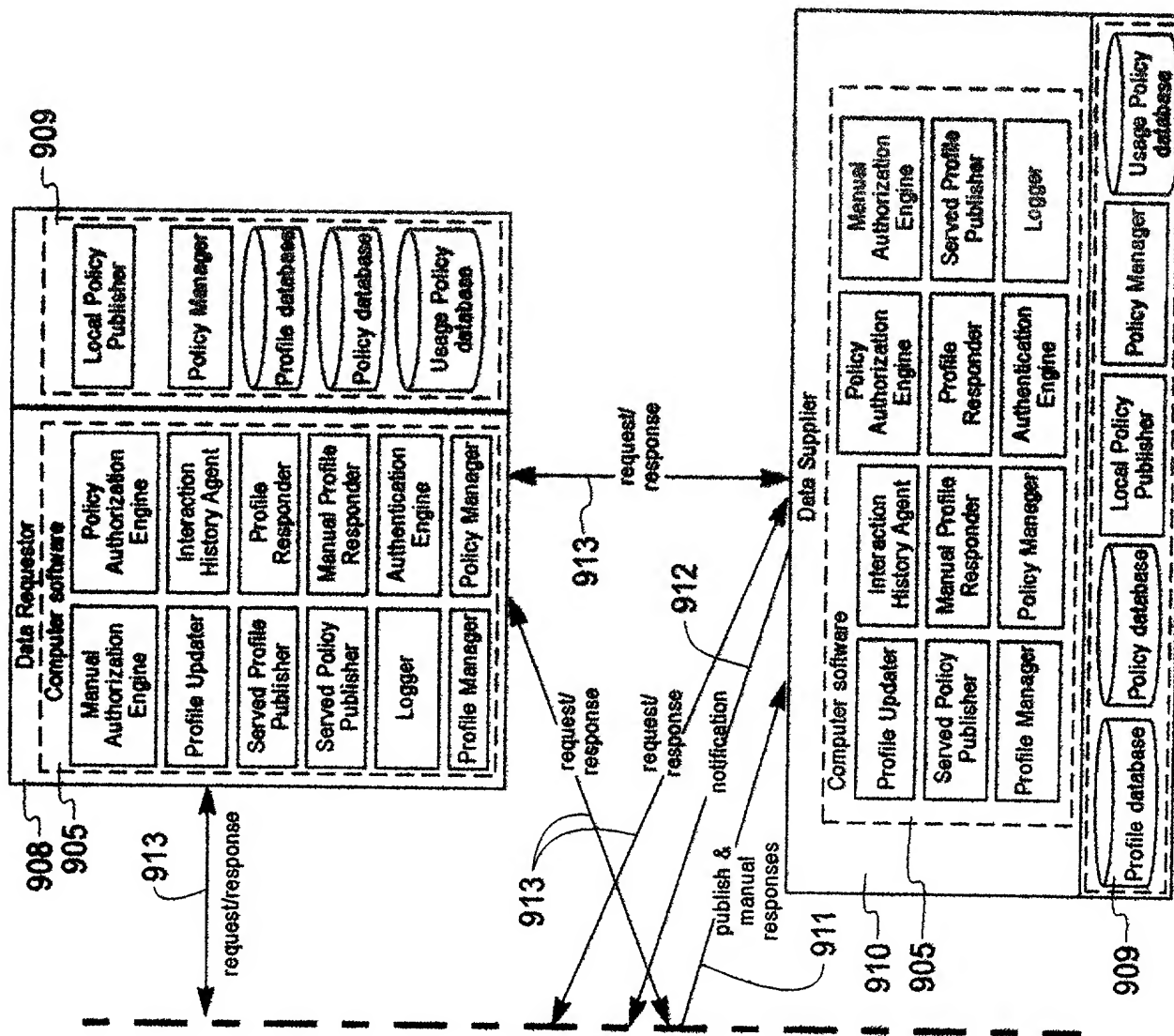


Fig. 9B